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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:44 ; Search time 140.11 seconds
(without alignments)
5.511 Million cell updates/sec

Title: US-09-331-631A-5_COPY_33_75
Perfect score: 248
Sequence: 1 NOEDPQTECQCQRCRCRQEE.....RQOQYCORRCKEICEEEY 43

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata2/1aa/5A-COMB.pep:*
2: /cgn2_6/ptodata2/1aa/5B-COMB.pep:*
3: /cgn2_6/ptodata2/1aa/6-COMB.pep:*
4: /cgn2_6/ptodata2/1aa/PCBUS-COMB.pep:*
5: /cgn2_6/ptodata2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	110	44.4	566	1	US-07-955-905A-2
2	110	44.4	566	1	US-07-955-905A-22
3	101	40.7	587	1	US-07-955-905A-23
4	65.5	26.4	34	2	US-08-822-561-1
5	63.5	25.6	301	2	US-08-656-906-25
6	62	25.0	1162	2	US-08-728-323A-2
7	61.5	24.8	215	4	PCR-US93-05000-33
8	61	24.6	223	4	US-09-066-408-11
9	58.5	23.6	514	2	US-08-960-022-14
10	58	23.4	223	3	US-09-066-408-7
11	58	23.4	223	3	US-09-066-408-8
12	58	23.4	223	3	US-09-066-408-9
13	57.5	23.2	605	1	US-07-955-905A-24
14	57	23.0	303	1	US-08-109-391A-2
15	57	23.0	303	1	US-08-459-019A-2
16	57	23.0	303	2	US-08-460-428A-2
17	57	23.0	303	3	US-08-458-860A-2
18	57	23.0	1898	1	US-08-056-200-94
19	57	23.0	1898	2	US-08-800-644-94
20	55.5	22.4	161	2	US-08-465-380-65
21	55.5	22.4	161	2	US-08-486-397-65
22	55.5	22.4	161	2	US-08-486-399-65
23	55.5	22.4	161	2	US-08-461-965-65
24	55.5	22.4	161	2	US-08-634-641-65
25	55.5	22.4	161	3	US-09-249-471-65
26	55.5	22.4	161	3	US-09-249-472-65
27	55.5	22.4	161	3	US-09-249-451-65
28	55.5	22.4	161	3	US-08-809-455-65

29	55.5	22.4	161	3	US-09-249-461-65	Sequence 65, App1
30	55.5	22.4	161	3	US-09-249-448-65	Sequence 65, App1
31	55.5	22.4	401	3	US-08-974-022-4	Sequence 4, App1
32	55.5	22.4	674	3	US-08-893-852A-1	Sequence 1, App1
33	54.5	22.0	58	3	US-08-454-295-9	Sequence 9, App1
34	54.5	22.0	78	2	US-08-465-380-47	Sequence 47, App1
35	54.5	22.0	78	2	US-08-486-397-47	Sequence 47, App1
36	54.5	22.0	78	2	US-08-486-399-47	Sequence 47, App1
37	54.5	22.0	78	2	US-08-461-965-47	Sequence 47, App1
38	54.5	22.0	78	2	US-08-634-641-47	Sequence 47, App1
39	54.5	22.0	78	3	US-09-249-471-47	Sequence 47, App1
40	54.5	22.0	78	3	US-09-249-472-47	Sequence 47, App1
41	54.5	22.0	78	3	US-09-249-451-47	Sequence 47, App1
42	54.5	22.0	78	3	US-08-809-455-47	Sequence 47, App1
43	54.5	22.0	78	3	US-09-249-461-47	Sequence 47, App1
44	54.5	22.0	78	3	US-09-249-448-47	Sequence 47, App1
45	54.5	22.0	368	3	US-08-454-295-3	Sequence 3, App1

ALIGNMENTS

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RESULT 1
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 566 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-955-905A-2

Query Match 44.4%; Score 110; DB 1; Length 566;
Best local Similarity 47.5%; Pred. No. 0.00018;
Matches 19; Conservative 10; Mismatches 11; Indels 0; Gaps 0;

OY 2 QEDPTECQCQRCRCRQEE...RQOQYCORRCKEICEEE 41
Db 78 EEELEROYCQCGRCRQEE...RQOQYCORRCKEICEEE 117

RESULT 2
US-07-955-905A-22
; Sequence 22, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 566 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Theobroma cacao
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..566
; OTHER INFORMATION: /note="67 kD Precursor Protein"
US-07-955-905A-22

Query Match          44.4%; Score 110; DB 1; Length 566;
Best Local Similarity 47.5%; Pred. No. 0.00018;
Matches 19; Conservative 10; Mismatches 11; Indels 0; Gaps 0;

OY      2 QEDPTECCOCRCRQESDPROQYCCORCKEICEEE 41
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Db      78 EELRLQRYOCCRCQCEQOQCGREQOCCORCKMEYKKE 117

RESULT 3
US-07-955-905A-23
; Sequence 23, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; TITLE OF INVENTION: PRECURSOR
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 587 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..587
; OTHER INFORMATION: /note="Vicillin from G. hirsutum"
US-07-955-905A-23

Query Match          40.7%; Score 101; DB 1; Length 587;
Best Local Similarity 45.0%; Pred. No. 0.0016;
Matches 18; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

OY      3 EDPTECCOCRCRQESDPROQYCCORCKEICEEE 42
       |||::|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db      80 KDPQRYECCQRCRQEE--RQPCQQRCTKRPEQOQO 117

RESULT 4
US-08-822-561-1
; Sequence 1, Application US/08822561
; Patent No. 5905187
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; GENERAL INFORMATION:
; APPLICANT: Duvick, John P.
; APPLICANT: Rood, Tracy A.
; APPLICANT: Rao, Aragua G.
; TITLE OF INVENTION: ANTIMICROBIAL PEPTIDES AND PLANT DISEASE
; TITLE OF INVENTION: RESISTANCE BASED THEREON
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PIONEER HI-BRED INTERNATIONAL, INC.
; STREET: 700 Capital Square, 400 Locust Street
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: USA
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,561
; FILING DATE: 19-MAR-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/442,910
; FILING DATE: 17-MAY-1995
; APPLICATION NUMBER: US 07/536,127
; FILING DATE: 05-JUN-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Yates, Michael J.
; REGISTRATION NUMBER: 36,063
; REFERENCE/DOCKET NUMBER: 0124C
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (515) 248-4800
; TELEFAX: (515) 248-4844
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 34 amino acids
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-822-561-1

Query Match          26.4%; Score 65.5; DB 2; Length 34;
Best Local Similarity 44.0%; Pred. No. 0.49;
Matches 11; Conservative 6; Mismatches 7; Indels 1; Gaps 1;

OY      11 OCORC-RQESDPROQYCCORCK 34
       :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db      6 ECRRCCLRRHEGQPMETQECMRRCR 30

RESULT 5
US-08-656-906-25
; Sequence 25, Application US/08656906
; Patent No. 5972901
; GENERAL INFORMATION:
; APPLICANT: Fertol Jr., Thomas W.
; APPLICANT: Davis, Pamela B.
; APPLICANT: Ziady, Assem-Galal
; TITLE OF INVENTION: Serpin Enzyme Complex Receptor
; TITLE OF INVENTION: Mediated Gene Transfer
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
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1 MEDIUM TYPE: Floppy disk
2 COMPUTER: IBM PC compatible
3 OPERATING SYSTEM: PC-DOS/MS-DOS
4 SOFTWARE: PatentIn Release #1.0, Version #1.30
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6 CURRENT APPLICATION DATA:
7 APPLICATION NUMBER: US/08/656,906
8 FILING DATE: 03-JUN-1996
9 CLASSIFICATION: 514
10
11 PRIOR APPLICATION DATA:
12 APPLICATION NUMBER: US 08/
13 FILING DATE: 03-JUN-1996
14
15 PRIOR APPLICATION DATA:
16 APPLICATION NUMBER: WO 95/25809
17 FILING DATE: 23-MAR-1995
18
19 PRIOR APPLICATION DATA:
20 APPLICATION NUMBER: US 08/216,534
21 FILING DATE: 23-MAR-1994
22
23 ATTORNEY/AGENT INFORMATION:
24 NAME: Ingolia, Diane E.
25 REGISTRATION NUMBER: 40,027
26 REFERENCE/DOCKET NUMBER: CASE-02280
27
28 TELECOMMUNICATION INFORMATION:
29 TELEPHONE: (415) 705-8410
30 TELEFAX: (415) 397-8338
31
32 INFORMATION FOR SEQ ID NO: 25:
33 SEQUENCE CHARACTERISTICS:
34 LENGTH: 301 amino acids
35 TYPE: amino acid
36 TOPOLOGY: linear
37
38 MOLECULE TYPE: protein
39
40 US-08-656-906-25

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Query Match	25.6%	Score 63.5	DB 2	Length 301
Best Local Similarity	28.9%	Pred. NO. 6.2		
Matches 11; Conservative 11; Mismatches 11; Indels 5; Gaps 1;				
OY	6	OTCCGCGCRRCHQESDPRQOYCCORCKCEICEEEY	43	
		:::1:::1111:::1111:::		
Db	262	RSFCRRRRRRRCR---RRRCRRRRRRRCRRRRY	294	

RESULT 6
US-08-728-323A-2
Sequence 2, Application US/08728323A
Patent No. 5948676
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: Immediate Early Protein From Kaposi's
TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA
TITLE OF INVENTION: Encoding Same And Uses Thereof
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/728,323A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

```

1 NAME: White, John P.
2
3 REGISTRATION NUMBER: 28,678
4 REFERENCE/DOCKET NUMBER: 0575/52268-J/PW/MSC/SKRS
5
6 TELECOMMUNICATION INFORMATION:
7 TELEPHONE: 212-278-0400
8 TELEFAX: 212-391-0525
9
10 INFORMATION FOR SEQ. ID NO: 2:
11
12 SEQUENCE CHARACTERISTICS:
13 LENGTH: 1162 amino acids
14 TYPE: amino acid
15 TOPOLOGY: linear
16
17 MOLECULE TYPE: protein
18
19 US-08-728-323A-2

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Query Match	25.0%;	Score 62;	DB 2;	Length 1162;
Best Local Similarity	34.1%;	Pred. No. 32;		
Matches 14;	Conservative 12;	Mismatches 15;	Indels 0;	Gaps 0;

Dy 2 QEDPQTECCQCRCRCAQQSESPRRQCYCRRCKETCEESEE 42
| | | : | : | : || | : | : ||:
Db 725 QQDEQQQQDEQQQDEQQQDEQQQDEQQEEQEQEEQ 765

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RESULT 7
PCT-US93-05000-33
Sequence 33, Application PC/TUS9305000
GENERAL INFORMATION:
APPLICANT: MITOXIX
TITLE OF INVENTION: D-Type Cyclin and Uses Related Thereof
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millitia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patenlin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/05000
FILING DATE: 19930525
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/888.178
FILING DATE: 26-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL91-02A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 616-861-9540
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: protein
PCT-US93-05000-33

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Query Match	24.8%;	Score 61.5;	DB 4;	Length 215;
Best Local Similarity	27.0%;	Pred. No. 7.3;		
Matches 17; Conservative	8;	Mismatches 15;	Indels 23;	Gaps 3;

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QY      4 DPGT-----EQQCGQR-RCRQGESDPHQ-----QYCGRKCEICEEE 40
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Db      26 DPGTPGDDQRLQSLPLERCVHAYFQCQVQRESKPPMRKMLVYWMLEVCCECCCECCKE 85

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OY 41 EBY 43
1:
Db 86 EBY 88

RESULT 8
US-09-066-408-11
; Sequence 11, Application US/09066408
; Patent No. 6060448
; GENERAL INFORMATION:
; APPLICANT: Smith, John Arthur
; APPLICANT: Wilkinson, Mark Charles
; APPLICANT: Liu, Qing-Ming
; TITLE OF INVENTION: Casein Fragments Having Growth Promoting
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/066,408
; FILING DATE: 13-MAR-1998
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/GB96/02658
; FILING DATE: 31-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9522302.0
; FILING DATE: 31-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dow, Karen B.
; REGISTRATION NUMBER: 29,684
; REFERENCE/DOCKET NUMBER: 018317-00010005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..223
; OTHER INFORMATION: /note="sheep alpha-s2 casein"
; OTHER INFORMATION: precursor."
US-09-066-408-11

Query Match 24.6%; Score 61; DB 3; Length 223;
Best Local Similarity 26.7%; Pred. No. 8.5;
Matches 12; Conservative 12; Mismatches 19; Indels 2; Gaps 1;

OY 1 NQEDQTECCQCCQRQCESDPQQOYCCQRCKEICE--EEEEY 43
Db 24 SSEEPIINISQETIYKQKKMNAIHPREKILCTTSCSEYVNADEEY 68

RESULT 9
US-08-960-022-14
; Sequence 14, Application US/08960022

; Patent No. 5976837
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallee, Edward R.
; APPLICANT: Racie, Lisa A.
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 Cambridgepark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/960,022
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Sprunger, Suzanne A.
; REGISTRATION NUMBER: 41,323
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8284
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 514 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-960-022-14

Query Match 23.6%; Score 58.5; DB 2; Length 514;
Best Local Similarity 31.4%; Pred. No. 34;
Matches 11; Conservative 10; Mismatches 13; Indels 1; Gaps 1;

OY 10 QQCQRCRQCESDPQQOYCCQRCKEI-CEEEY 43
Db 403 EKQREARQGEERARQKHINESLKECNCEKENF 437

RESULT 10
US-09-066-408-7
; Sequence 7, Application US/09066408
; Patent No. 6060448
; GENERAL INFORMATION:
; APPLICANT: Smith, John Arthur
; APPLICANT: Wilkinson, Mark Charles
; APPLICANT: Liu, Qing-Ming
; TITLE OF INVENTION: Casein Fragments Having Growth Promoting
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/066,408
FILING DATE: 13-MAR-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB96/02658
FILING DATE: 31-OCT-1996
PRIOR APPLICATION DATA: GB 9522302.0
APPLICATION NUMBER: GB 9522302.0
FILING DATE: 31-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dow, Karen B.
REGISTRATION NUMBER: 29,684
REFERENCE/DOCKET NUMBER: 018317-000100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..223
OTHER INFORMATION: /note="goat alpha-S2 casein
US-09-066-408-7

Query Match      23.4%; Score 58; DB 3; Length 223;
Best Local Similarity 26.7%; Pred. No. 17;
Matches 12; Conservative 11; Mismatches 20; Indels 2; Gaps 1;

QY      1 NOBDPQECQCCRCRCQCESDPRQOQYCCRRCKEICE--EEEEY 43
DB      24 SSEPINIFQEIYKQEKNAIHRKKEKLCITTSCEEVVRNANESEY 68

RESULT 11
US-09-066-408-8
Sequence 8, Application US/09066408
Patent No. 6060448
GENERAL INFORMATION:
APPLICANT: Smith, John Arthur
APPLICANT: Wilkinson, Mark Charles
APPLICANT: Liu, Qing-Ming
TITLE OF INVENTION: Casein Fragments Having Growth Promoting
TITLE OF INVENTION: Activity
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/066,408
FILING DATE: 13-MAR-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 514

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APPLICATION NUMBER: WO PCT/GB96/02658
FILING DATE: 31-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9522302.0
FILING DATE: 31-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dow, Karen B.
REGISTRATION NUMBER: 29,684
REFERENCE/DOCKET NUMBER: 018317-000100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..223
OTHER INFORMATION: /note="goat alpha-S2 casein
US-09-066-408-8

Query Match      23.4%; Score 58; DB 3; Length 223;
Best Local Similarity 26.7%; Pred. No. 17;
Matches 12; Conservative 11; Mismatches 20; Indels 2; Gaps 1;

QY      1 NOBDPQECQCCRCRCQCESDPRQOQYCCRRCKEICE--EEEEY 43
DB      24 SSEPINIFQEIYKQEKNAIHRKKEKLCITTSCEEVVRNANESEY 68

RESULT 12
US-09-066-408-9
Sequence 9, Application US/09066408
Patent No. 6060448
GENERAL INFORMATION:
APPLICANT: Smith, John Arthur
APPLICANT: Wilkinson, Mark Charles
APPLICANT: Liu, Qing-Ming
TITLE OF INVENTION: Casein Fragments Having Growth Promoting
TITLE OF INVENTION: Activity
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/066,408
FILING DATE: 13-MAR-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB96/02658
FILING DATE: 31-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9522302.0
FILING DATE: 31-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dow, Karen B.
REGISTRATION NUMBER: 29,684
REFERENCE/DOCKET NUMBER: 018317-000100US

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: CLASSIFICATION: 536
: ATTORNEY/AGENT INFORMATION:
: NAME: Connell, Gary J.
: REGISTRATION NUMBER: 33,020
: REFERENCE/DOCKET NUMBER: 2618-13-1
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (303) 863-9700
: TELEFAX: (303) 863-0223
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 303 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-459-019A-2

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Query Match      23.0%; Score 57; DB 1; Length 303;
Best Local Similarity 32.0%; Pred. No. 29;
Matches 16; Conservative 12; Mismatches 14; Indels 8; Gaps 2;

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Db 242 QEEEEQERLREYEFQIQEKLNQEEERERQEEERQERQKEREERMEQERIRQEY 291

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Search completed: March 1, 2001, 15:49:45
 Job time: 390 sec

